NUCLEAR CRITICALITY SAFETY PROGRAM (NCSP)
TECHNICAL PROGRAM REVIEW

MARCH 15-16, 2016
SANDIA NATIONAL LABORATORY

FINAL AGENDA
Building 6585 (Rooms 110, 111 and 112)

Tuesday, March 15, 2016

			TIME
	Welcome from SNL	Gary Harms	10
	Saftey and Security Briefing	Gary Harms	10
	Welcome and Introductions	Jerry McKamy	10
	A Year of Highs and Lows for the CSSG	David Erickson	10
	CSSG Review of the Hands-on Training and Education Courses	Calvin Hopper	15

NCSP
TECHNICAL PROGRAM ELEMENTS TO BE PRESENTED

ANALYTICAL METHODS
INFORMATION PRESERVATION AND DISSEMINATION
INTEGRAL EXPERIMENTS
NUCLEAR DATA
TRAINING AND EDUCATION
(UNIVERSITY TASKS)

ANALYTICAL METHODS

ORNL	SCALE 6.2 and AMPX Development and Modernization for the NCSP	Brad Rearden	20
ORNL	Diagnosing Undersampling in Monte Carlo Eigenvalue and Flux Tally Estimates	Chris Perfetti	20
IRSN	Update of the Nuclear Criticality Slide Rule for Emergency Response to a Nuclear Criticality Accident	Matthieu Duluc	15
			110

BREAK

ANALYTICAL METHODS
(continued)

ORNL	Recent Progress in Determination of Critical Experiment Correlations	B.J. Marshall	20
LANL	MCNP Progress for NCSP	Forrest Brown	25
LANL	Fission Multiplicity Model Usage in Criticality Calculations	Michael Rising	15
LANL	The Dawn of NJOY21 in 2015	Jeremy Conlin	15
OPEN DISCUSSION		ALL	10

INFORMATION PRESERVATION AND DISSEMINATION

LLNL	ICSBEP Accomplishments	Dave Heinrichs	15
			100

LUNCH

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INFORMATION PRESERVATION AND DISSEMINATION
(continued)

LLNL	Website Statistics	Chuck Lee	15
NNSA/ORNL	Website Enhancements	Lori Scott	10
OPEN DISCUSSION		ALL	10

INTEGRAL EXPERIMENTS

LANL	Operational Considerations for Experimental Work at NCERC	Tim Beller	15
LANL	NCERC Control Room Upgrades	Ryan LeConte	15
LANL	NCERC Safety Basis Update	James Strelow	15
NNSS	KRUSTY Safety Basis Update	Jeff Lewis	15
			95

BREAK

INTEGRAL EXPERIMENTS
(continued)

LANL	Subcritical Benchmark of the BeRP Ball Reflected by Tungsten	Jesson Hutchinson	20
LANL	Uncertainty as a Function of Time for Subcritical Experiment Parameters	Jesson Hutchinson	15
LANL	Material Considerations for Burst Reactor Designs	Bob Margevicius	15
LANL	Final Critical Experiment Design to Measure the Fission Neutron Spectrum Shape Using Threshold Activation Detectors	Theresa Cutler	15
LANL	Dynamics and Stability Analysis for the Kilowatt Reactor Using Stirling TechnologY (KRUSTY) Experiment	Steve Klein	15
LANL	Utilization of NCERC in Support of Nuclear Forensics Measurements	Todd Bredeweg John Bounds	15
			95

ADJOURN

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	INTEGRAL EXPERIMENTS ***(continued)***		
ORNL	The Collaborative International Benchmark Evaluation for the SILENE Solution Critical Experiment	Thomas Miller	20
LANL	Evaluation of Engineering Controls Implemented to Mitigate Godiva Contamination	Joetta Goda	20
LANL	Use of Comet to Support Development of the Design Basis for JAEA's Transmutation Physics Experimental Facility (TEF-P)	Joetta Goda	15
LANL	Preliminary Flattop-25 Reevaluation Results	Jeff Favorite	15
LLNL	TEX Subcritical Thermal and Dose Measurements	Catherine Percher	15
LLNL	TEX-Hf Preliminary Design	Catherine Percher	15
			100
BREAK			
	INTEGRAL EXPERIMENTS ***(continued)***		
SNL	NCSP IE and T&EP Activities at Sandia	Gary Harms	25
OPEN DISCUSSION		ALL	10
	NUCLEAR DATA		
ORNL	Improvements for the ^{63}Cu and ^{65}Cu Resonance Evaluations for Criticality Safety Applications	Vladimir Sobes	15
ORNL	Cross Section Evaluation of ^{40}Ca for Neutron Energies up to 1.5 MeV and Validation of Tungsten Cross Sections up to 100 keV	Marco Pigni	15
ORNL	Resonance Region Cross-Section Measurements for Calcium and Cerium	Klaus Guber	15
IRSN	IRSN-ORNL Data Evaluation in Support of Criticality Safety: ^{235}U, ^{239}Pu, ^{56}Fe, ^{16}O, ^{54}Fe and ^{103}Rh	Luis Leal	15
LANL	NDAG and Nuclear Data Working Group Update	Skip Kahler	15
LANL	Data Testing CIELO Evaluations with ICSBEP Benchmarks	Skip Kahler	15
LANL	Evaluation of Prompt Fission Gamma Rays for n+U235, n+Pu239, and Cf252(sf)	Patrick Talou	15
			105
LUNCH			

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	NUCLEAR DATA ***(continued)***		
RPI KAPL	Overview of Recent Nuclear Data Measurements at RPI Status of the LINAC Refurbishment	Yaron Danon/ Brian Epping	25
BNL	ADVANCE Status, ENDF/B-VIII Status and Resonance Fun	David Brown	20
OPEN DISCUSSION		ALL	10
	TRAINING AND EDUCATION		
ORNL	Status of the NCSP Training and Education Courses for FY2015	Doug Bowen	15
LANL	Summary of CNEC and CVT Year One Measurement Campaigns	Jesson Hutchinson	15
	NCSP UNIVERSITY TASKS		
Georgia Tech ORNL	Development of a New Unresolved Resonance Region Analysis Methodology	Andrew Holcomb	20
	GENERAL DISCUSSION/CONCLUSION	ALL	10
			115
BREAK			
North Carolina State University	***Movie***: Thermal Scattering Data Generation and Advance Methods Development	By: Ayman Hawari	20
			20
ADJOURN			
NDAG MEETING	***for invitees only***		